

LTA: 222Kf01

NAME:
Geneva Moraines

ACRES:
170701.7

SQUARE MILES:
266.721

DESCRIPTION:
The characteristic landform pattern is undulating till plain with hummocky moraines, scattered lake plains, and low drumlins. Soils are predominantly well drained silt and loam over calcareous sandy loam till. Common habitat type is ATiFrVb(Cr).

CLIMATE

CODE PERCENT
97 99

GEOLOGY

BEDROCK TYPE DESCRIPTION
Carbonates

AVERAGE DEPTH
TO BEDROCK
10000

BEDROCK DEPTH
DESCRIPTION
Bedrock is between 100 feet and 50 feet of the land surface

GEOMORPHOLOGY

GEOMORPHOLOGY PROCESS
Till Deposition

TOPOGRAPHY
Rolling

SURFACE
Till Plain and Hummocky Moraine Complex

SOIL INFORMATION

SOIL ASSOCIATIONS
Miami-McHenry-Plano-Griswold-Pella-Kendall-Houghton

SOIL DESCRIPTION
Moderately well drained, well drained, poorly drained, and somewhat poorly drained loamy and silty soils with a silt loam, loam, or clay loam surface over calcareous sandy loam till or loamy lacustrine, along with very poorly drained nonacid organic soil

SURFACE TEXTURES
SIL-L-CL

GENERAL TEXTURES
Loamy-Silty-Mucky

FAMILY TEXTURES
FIL-FISI-SP

DRAINAGE CLASSES
MWD-WD-PD-SPD-VPD

PARENT MATERIAL
Till-Lacustrine-Organic

KOTAR'S HABITAT

HABITAT 1 HABITAT 2 HABITAT 3 HABITAT 4 HABITAT 5 HABITAT 6

*Listed in order of probability occurrence, with each having an occurrence of 10% or greater

WISCLAND LAND COVER

COVER TYPE CLASS	ACRES	PERCENT
Agricultural Land	96361	56
Bare Land	10204	6
Forested Wetland	1412	1
Grassland	17853	10
High Intensity Urban Area	4034	2
Low Intensity Urban Area	2443	1
Nonforested Wetland	6775	4
Open Water	8791	5
Shrubland	1278	1
Upland Broad-leaved Deciduous	20600	12
Upland Coniferous Forest	907	1

FINLEY'S PRESETTLEMENT VEGETATION INFORMATION

CODE	PERCENT	DEFINITION
Hydrographic	5	Water
NH/O	3	Sugar Maple, Basswood, Red Oak, White Oak, Black Oak
OO	36	Oak - Black, White, and Burr Oak
OS	34	Oak Openings - Bur, White, Black Oak
GG	11	Prairie
UB	0	Brush
GLS	8	Marsh and Sedge Meadow, Wet Prairie, lowland shrubs

HYDROLOGY

PERENNIAL STREAMS	INTERMITTENT STREAMS	OPEN WATER	MARSH ACRES	DEPTH TO AQUIFER	SURFACE DRAINAGE
85 Miles	107 Miles	8444 Acres	412 Acres	20'-50'	rectangular